

DIN 50905-4:2018-03 (E)

Corrosion of metals - Corrosion testing - Part 4: Performance of chemical corrosion experiments without mechanical stresses in liquids in the laboratory

Contents	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Performance of corrosion tests in the laboratory at atmospheric pressure	4
3.1 General	4
3.2 Corrosion tests with constant corrosion stress (endurance immersion test, stability test, stirring test and boiling test).....	4
3.3 Corrosion tests with alternating corrosion load (alternate immersion test).....	6
4 Performance of corrosion tests in the laboratory at elevated pressure (pressure vessel test).....	7
5 Test solution	8
Annex A (normative) Test solutions.....	9
A.1 Artificial seawater.....	9
A.2 Artificial brackish water	9
A.3 Sodium chloride solutions.....	10
A.3.1 Sodium chloride solution with a concentration of $c(\text{NaCl}) = 30 \text{ g/l}$	10
A.3.2 Sodium chloride solution with a concentration of $c(\text{NaCl}) = 50 \text{ g/l}$	10
A.3.3 Oxidizing sodium chloride solution	10
Bibliography	11